

November 2, 1989

Docket No. 50-334

Mr. J. D. Sieber, Vice President  
Nuclear Group  
Duquesne Light Company  
Post Office Box 4  
Shippingport, Pennsylvania 15077

Dear Mr. Sieber:

SUBJECT: BEAVER VALLEY UNIT 1 - ISSUANCE OF AMENDMENT (TAC NO. 74851)

The Commission has issued the enclosed Amendment No. 146 to Facility Operating License No. DPR-66 for the Beaver Valley Power Station, Unit No. 1, in response to your application dated September 22, 1989.

The amendment revises the Technical Specifications to remove containment isolation valve SI-91 from Table 3.6-1. The bypass line on which SI-91 is installed is no longer needed since its function has been obviated by Amendment No. 71. Both the bypass line and valve SI-91 will be eliminated.

A copy of the related Safety Evaluation is also enclosed. The Notice of Issuance will be included in the Commission's bi-weekly Federal Register notice.

Sincerely,

Signed by

Peter S. Tam, Senior Project Manager  
Project Directorate I-4  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Enclosures:

- 1. Amendment No. 146 to DPR-66
- 2. Safety Evaluation

cc w/enclosures:  
See next page

OFC	:LA:PDI-4	:PM:PDI-4	:PD:PDI-4	:OGC	:BC:SPLB	:	:
NAME	:SNorris	:PTam:lm	:JStolz	:BMB	:CMcCracken	:	:
DATE	:10/16/89	:10/16/89	:10/26/89	:10/14/89	:10/27/89	:	:

OFFICIAL RECORD COPY  
Document Name: AMEND TAC 74851

BM Bordenich

*DF01*  
*11*

8911140037 891102  
PDR ADOCK 05000334  
P PDC

*[Handwritten signature]*



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

November 2, 1989

Docket No. 50-334

Mr. J. D. Sieber, Vice President  
Nuclear Group  
Duquesne Light Company  
Post Office Box 4  
Shippingport, Pennsylvania 15077

Dear Mr. Sieber:

SUBJECT: BEAVER VALLEY UNIT 1 - ISSUANCE OF AMENDMENT (TAC NO. 74851)

The Commission has issued the enclosed Amendment No. 146 to Facility Operating License No. DPR-66 for the Beaver Valley Power Station, Unit No. 1, in response to your application dated September 22, 1989.

The amendment revises the Technical Specifications to remove containment isolation valve SI-91 from Table 3.6-1. The bypass line on which SI-91 is installed is no longer needed since its function has been obviated by Amendment No. 71. Both the bypass line and valve SI-91 will be eliminated.

A copy of the related Safety Evaluation is also enclosed. The Notice of Issuance will be included in the Commission's bi-weekly Federal Register notice.

Sincerely,

A handwritten signature in cursive script, appearing to read "Peter S. Tam".

Peter S. Tam, Senior Project Manager  
Project Directorate I-4  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 146 to DPR-66
2. Safety Evaluation

cc w/enclosures:  
See next page

Mr. J. Sieber  
Duquesne Light Company

Beaver Valley Power Station  
Units 1 & 2

cc:

Jay E. Silberg, Esquire  
Shaw, Pittman, Potts and Trowbridge  
2300 N Street, N.W.  
Washington, DC 20037

Bureau of Radiation Protection  
Pennsylvania Department of  
Environmental Resources  
ATTN: R. Janati  
Post Office Box 2063  
Harrisburg, Pennsylvania 17120

Kenny Grada, Manager  
Nuclear Safety  
Duquesne Light Company  
P. O. Box 4  
Shippingport, Pennsylvania 15077

Mayor of the Borough of  
Shippingport  
Post Office Box 3  
Shippingport, Pennsylvania 15077

John A. Lee, Esquire  
Duquesne Light Company  
One Oxford Centre  
301 Grant Street  
Pittsburgh, Pennsylvania 15279

Ashley C. Schannauer  
Assistant City Solicitor  
City of Pittsburgh  
313 City-County Building  
Pittsburgh, Pennsylvania 15219

Commissioner Roy M. Smith  
West Virginia Department of Labor  
Building 3, Room 319  
Capitol Complex  
Charleston, WV 25305

Regional Administrator, Region I  
U.S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, Pennsylvania 19406

John D. Borrows  
Director, Utilities Department  
Public Utilities Commission  
180 East Broad Street  
Columbus, Ohio 43266-0573

Resident Inspector  
U.S. Nuclear Regulatory Commission  
Post Office Box 181  
Shippingport, Pennsylvania 15077

Director, Pennsylvania Emergency  
Management Agency  
Post Office Box 3321  
Harrisburg, Pennsylvania 17105-3321



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

DUQUESNE LIGHT COMPANY

OHIO EDISON COMPANY

PENNSYLVANIA POWER COMPANY

DOCKET NO. 50-334

BEAVER VALLEY POWER STATION, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 146  
License No. DPR-66

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Duquesne Light Company, et al. (the licensee) dated September 22, 1989 complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
  - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
  - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
  - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

8911140042 891102  
PDR DOCK 05000334  
PDC

2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. DPR-66 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 146, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective on issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

  
John F. Stolz, Director  
Project Directorate I-4  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: November 2, 1989

ATTACHMENT TO LICENSE AMENDMENT NO. 146

FACILITY OPERATING LICENSE NO. DPR-66

DOCKET NO. 50-334

Replace the following page of Appendix A, (Technical Specifications) with the enclosed page as indicated. The revised page is identified by amendment number and contains a vertical line indicating the area of change.

Remove

3/4 6-19j

Insert

3/4 6-19j

TABLE 3.6-1  
CONTAINMENT PENETRATIONS

Beaver Valley Unit 1

3/4 6-19j

PENT. NO.-AREA	IDENTIFICATION/DESCRIPTION	INSIDE VALVE	MAXIMUM STROKE TIME* (SEC)	OUTSIDE VALVE	MAXIMUM STROKE TIME* (SEC)
110-1-C	PRZR Dead Weight Calibrator PT-RC-455A	Closed System	N/A	(1) 1RC-277 (1) 1RC-278	N/A N/A
110-2-C	Spare				
110-3-C	Spare				
110-4-C	Spare				
111-C	Spare			(7) Flange	N/A
112-C	Spare			(7) Flange	N/A
113-1-A	BTT to Cold Legs	(2) ISI-94	N/A	(2) MOV-1SI-867C (2) MOV-1SI-867D	15 15

Primary Containment Airlock PH-P-1

Equalization Valve	(8) (7) SOV-1VS-2	N/A	
Equalization Valve	(7) -169	N/A	
Equalization Valve	(7) 1VS-170	N/A	
Equalization Valve	(8) (7) SOV-1VS-4	N/A	
Equalization Valve	(8) (7) SOV-1VS-5	N/A	
Equalization Valve	(7) 1VS-167	N/A	
Equalization Valve	(7) 1VS-168	N/A	
Equalization Valve	(8) (7) SOV-1VS-6	N/A	

Amendment No. 5, 146



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 146 TO FACILITY OPERATING LICENSE NO. DPR-66

DUQUESNE LIGHT COMPANY  
OHIO EDISON COMPANY  
PENNSYLVANIA POWER COMPANY

BEAVER VALLEY POWER STATION, UNIT NO. 1

DOCKET NO. 50-334

INTRODUCTION

By letter dated September 22, 1989, Duquesne Light Company (the licensee, acting as agent for the above utilities) submitted a request to amend Table 3.6-1, "Containment Penetrations" of the Technical Specifications. We have completed our review and the results are presented below.

DISCUSSION AND EVALUATION

The licensee proposed to revise Table 3.6-1, "Containment Penetrations" to remove containment isolation valve SI-91 listed for penetration 113-1-A. SI-91 is installed in a 1-inch line that bypasses the Boron Injection Tank (BIT). Prior to Amendment 71, the BIT was maintained at a boron concentration of 20,000 ppm. The safety injection piping downstream of the BIT isolation valves is not heat traced or insulated, therefore, the 1" BIT bypass piping was used to flush this downstream piping after a safety injection actuation or a functional test. The flushing was needed to ensure the residual boron concentration downstream of the BIT was sufficiently diluted to preclude boron precipitation and clogging of the pipe.

Amendment No. 71 reduced the required BIT boron concentration to 2,000 ppm so that flushing the downstream piping is no longer required. Hence the bypass line is no longer needed as a result of Amendment No. 71. Removal of this valve from Table 3.6-1 would allow cutting the piping and welding caps on the ends of the pipe stubs that will remain attached to the safety injection piping. This will remove the major portion of the BIT bypass piping and eliminate SI-91 as a containment isolation valve. The licensee stated that the pipe caps installed on the pipe stubs attached to the safety injection piping will be welded in place, and will be subject to periodic examination and test. We agree that the caps will provide the required isolation capability.

Furthermore, we conclude that elimination of the bypass line and associated valve SI-91 has no effect on previous accident analyses. There are actually additional benefits to be gained: (1) the piping configuration that can lead

to the thermal stress incidence as described in Bulletin 88-08 can be eliminated, (2) the costs associated with Type C testing of valve SI-91 can be avoided, and (3) the occupational exposure associated with Type C testing of the valve can be avoided.

The licensee committed to revise Updated FSAR Section 5.3.3.1 to reflect the removal of valve SI-91.

We find the proposed design change, and Technical Specification change (Table 3.6-1) acceptable.

#### ENVIRONMENTAL CONSIDERATION

This amendment changes a requirement with respect to the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. We have determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. We have previously issued a proposed finding that this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendment.

#### CONCLUSION

We have concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Dated: November 2, 1989

Principal Contributor: Peter S. Tam

DATED: November 2, 1989

AMENDMENT NO. 146 TO FACILITY OPERATING LICENSE NO. DPR-66

DISTRIBUTION

Docket File

NRC & Local PDR

Plant File

S. Varga (14E4)

B. Boger (14A2)

J. Stolz

S. Norris

P. Tam

OGC

D. Hagan (MNBB 3302)

E. Jordan (MNBB 3302)

B. Grimes (9A2)

T. Meek(4) (P1-137)

W. Jones (P-130A)

J. Calvo (11F23)

ACRS (10)

GPA/PA

ARM/LFMB

cc: Licensee/Applicant Service List